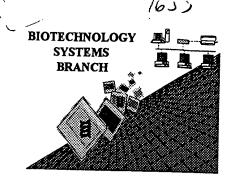# RAW SEQUENCE LISTING
# ERROR REPORT

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following CRF diskette:

Application Serial Number:    *09/441,654*

Art Unit / Team No. :    *01PF*

Date Processed by STIC:    *11/30/99*

**FEB 2 4 2000**

**TECH CENTER 1600/2900**

THE ATTACHED PRINTOUT EXPLAINS THE **ERRORS DETECTED.**

PLEASE BE SURE TO FORWARD THIS INFORMATION TO THE APPLICANTS BY EITHER:

1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANTS ALONG WITH A NOTICE TO COMPLY or,

2) CALLING APPLICANTS AND FAXING THEM A COPY OF THE PRINTOUT WITH A NOTICE TO COMPLY

THIS WILL INSURE THAT THE NEXT SUBMISSION RECEIVED FROM THEM WILL BE ERROR FREE.

IF YOU HAVE ANY FURTHER QUESTIONS, PLEASE CALL:

MARK SPENCER 703-308-4212

<211> *(handwritten: give total number of amino acids)*

<110>
<120>
<140>
<160>
<210> 1
<211> *(handwritten: give total number of amino acids)*
<212> PRT
☐
<213> human
☐

☐
<400> 1
☐
Ala Asp Arg Glu Arg Ser Ile His Asp Phe Cys Leu Val Ser Lys Val
☐
1               5                   10                  15

☐
Val Gly Arg Cys Arg Ala Ser Met Pro Arg Trp Trp Tyr Asn Val Thr
☐
            20                  25                  30

☐
Asp Gly Ser Cys Gln Leu Phe Val Tyr Gly Gly Cys Asp Gly Asn Ser
☐
            35                  40                  45

☐
Asn Asn Tyr Leu Thr Lys Glu Glu Cys Leu Lys Lys Cys Ala Thr Val
☐
    50                  55                  60

☐
Thr Glu Asn Ala Thr Gly Asp Leu Ala Thr Ser Arg Asn Ala Ala Asp
☐
65                  70                  75                  80

☐
Ser Ser Val Pro Ser Ala Pro Arg Arg Gln Asp Ser Glu Asp His Ser
☐
                85                  90                      95

☐
Ser Asp Met Phe Asn Tyr Glu Glu Tyr Cys Thr Ala Asn Ala Val Thr
☐
                100                 105                 110

☐
Gly Pro Cys Arg Ala Ser Phe Pro Arg Trp Tyr Phe Asp Val Glu Arg
☐
            115                 120                 125
☐

*(handwritten top: missing mandatory humans identifiers and responses)*

*(handwritten: 09/441,654)*

*(handwritten: delete SEQUENCE LISTING)*

*(handwritten left: Please ignore)*

*(handwritten right: See sample Sequence Listing, attached in back, for proper format)*

Asn Ser Cys Asn Asn Phe Ile Tyr Gly Gly Cys Arg Gly Asn Lys Asn

    130            135            140

Ser Tyr Arg Ser Glu Glu Ala Cys Met Leu Arg Cys Phe Arg Gln Gln

145           150           155           160

Glu Asn Pro Pro Leu Pro Leu Gly Ser Lys

           165         170


<210> 2

<211> 51

<212> PRT

<213> Artificial Sequence


<220>

<223> Description of Artificial Sequence:Random sequence


<400> 2

Arg Thr Pro Ser Asp Lys Pro Val Ala His Val Ala Asn Pro Gln Leu

  1          5           10           15

Gln Trp Leu Asn Arg Arg Ala Asn Ala Leu Leu Ala Asn Gly Val Glu

       20          25          30

Arg Asp Asn Gln Leu Val Val Glu Gly Leu Tyr Leu Ile Tyr Ser Gln

     35          40           45

☐
Val Leu Phe
☐
     50
☐

☐

☐
<210> 3
☐
<211> 52
☐
<212> PRT
☐
<213> Artificial Sequence
☐

☐
<220>
☐
<223> Description of Artificial Sequence:Random sequence
☐

☐
<400> 3
☐
Arg Ala Pro Phe Lys Lys Ser Trp Ala Tyr Leu Gln Val Ala Lys His
☐
  1             5               10              15
☐

☐
Lys Leu Ser Trp Asn Lys Asp Gly Ile Leu His Gly Val Arg Tyr Gln
☐
          20              25              30
☐

☐
Asp Gly Asn Leu Val Ile Gln Phe Pro Gly Leu Tyr Phe Ile Ile Cys
☐
          35              40              45
☐

☐
Gln Leu Gln Phe
☐
     50
☐

☐

☐

☐

Appendix A To Subpart G to Part 1—Sample Sequence Listing

```
<110>  Smith,  John

       Smith,  Jane


<120>  Example  of  a  Sequence  Listing


<130>  01-00001



<140>  US  08/999,999


<141>  1998-02-28




<150>  EP  91000000


<151>  1997-12-31
```

*Please consult*

<160> 2

<170> PatentIn ver. 2.0

<210> 1

<211> 403

<212> DNA

<213> Paramecium aurelia

<220>

<221> CDS

<222> 341..394

<300>

<301> Doe, Richard

<302> Isolation and Characterization of a Gene Encoding a

Protease from Paramecium sp.

<303> Journal of Fictional Genes

<304> 1

<305> 4

<306> 1 - 7

<307> 1988-06-20

    —

<400> 1

ctactctact ctactctcat ctactatctt ctttggatct ctgagtctgc ctgagtggta    60

ctcttgagtc ctggagatct ctcctctcac atgtgatcgt cgagactgac cgatagatcg   120

ctgactgact ctgagatagt cgagcccgta cgagacccgt cgagggtgac agagagtggg   180

cgcgtgcgcg cagagcgccg cgccggtgcg cgcgcgagtg cgcggtgggc cgcgcgaggg   240

ctttcgcggc agcggcggcg ctttccggcg cgcgcccgtc cgcccctaga cctgagaggt   300

cttctcttcc ctcctcttca ctagagaggt ctatatatac atg gtt tca atg ttc    355

                                                  Met Val Ser Met Phe

1                    5

agc ttg tct ttc aaa tgg cct gga ttt tgt ttg ttt gtt tgtttgctc          403

Ser Leu Ser Phe Lys Trp Pro Gly Phe Cys Leu Phe Val

          10                      15

<210> 2

<211> 18

<212> PRT

<213> Paramecium aurelia

<400> 2

Met Val Ser Met Phe Ser Leu Ser Phe Lys Trp Pro Gly Phe Cys Leu

1                  5                    10                   15

Phe Val

identifiers and their accompanying information as shown in the following table. The numeric identifier shall be used only in the "Sequence Listing." The order and presentation of the items of information in the "Sequence Listing" shall conform to the arrangement given below. Each item of information shall begin on a new line and shall begin with the numeric identifier enclosed in angle brackets as shown. The submission of those items of information designated with an "M" is mandatory. The submission of those items of information designated with an "O" is optional. Numeric identifiers <110> through <170> shall only be set forth at the beginning of the "Sequence Listing." The following table illustrates the numeric identifiers.

| Numeric Identifier | Definition | Comments and Format | Mandatory (M) or Optional (O) |
|---|---|---|---|
| <110> | Applicant | Preferably max. of 10 names; one name per line; preferable format: Surname, Other Names and/or Initials | M |
| <120> | Title of Invention | | M |
| <130> | File Reference | Personal file reference | M when filed prior to assignment of appl. number |
| <140> | Current Application Number | Specify as: US 07/999,999 or PCT/US96/99999 | M, if available |
| <141> | Current Filing Date | Specify as: yyyy-mm-dd | M, if available |
| <150> | Prior Application Number | Specify as: US 07/999,999 or PCT/US96/99999 | M, if applicable include priority documents under 35 USC 119 and 120 |
| <151> | Prior Application Filing Date | Specify as: yyyy-mm-dd | M, if applicable |
| <160> | Number of SEQ ID NOs | Count includes total number of SEQ ID NOs | M |
| <170> | Software | Name of software used to create the Sequence Listing | O |
| <210> | SEQ ID NO:#: | Response shall be an integer representing the SEQ ID NO shown | M |
| <211> | Length | Respond with an integer expressing the number of bases or amino acid residues | M |

| | | | |
|---|---|---|---|
| <212> | Type | Whether presented sequence molecule is DNA, RNA, or PRT (protein). If a nucleotide sequence contains both DNA and RNA fragments, the type shall be "DNA." In addition, the combined DNA/ RNA molecule shall be further described in the <220> to <223> feature section. | M |
| <213> | Organism | Scientific name, i.e. Genus/species, Unknown or Artificial Sequence. In addition, the "Unknown" or "Artificial Sequence" organisms shall be further described in the <220> to <223> feature section. | M |
| <220> | Feature | Leave blank after <220>. <221-223> provide for a description of points of biological significance in the sequence. | M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is combined DNA/RNA. |
| <221> | Name/Key | Provide appropriate identifier for feature, preferably from WIPO Standard ST.25 (1998), Appendix 2, Tables 5 and 6 | M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified base was used in a sequence |
| <222> | Location | Specify location within sequence; where appropriate state number of first and last bases/amino acids | M, under the following conditions: if "n," "Xaa," or a modified or unusual L-amino acid or modified |

| | | in feature | base was used in a sequence |
|---|---|---|---|
| <223> | Other Infor-mation | Other relevant information; four lines maximum | M, under the fol-lowing conditions: if "n," "Xaa," or a modified or un-usual L-amino acid or modified base was used in a sequence; if ORGANISM is "Artificial Sequence" or "Unknown"; if molecule is com-bined DNA/RNA. |
| <300> | Publication Information | Leave blank after <300> | O |
| <301> | Authors | Preferably max of ten named authors of publi-cation; specify one name per line; preferable format: Surname, Other Names and/or Initials | O |
| <302> | Title | | O |
| <303> | Journal | | O |
| <304> | Volume | | O |
| <305> | Issue | | O |
| <306> | Pages | | O |
| <307> | Date | Journal date on which data published; specify as yyyy-mm-dd, MMM-yyyy or Season-yyyy | O |
| <308> | Database Accession Number | Accession number assigned by data-base including database name | O |
| <309> | Database Entry Date | Date of entry in database; specify as yyyy-mm-dd or MMM-yyyy | O |
| <310> | Patent Document Number | Document number; for patent-type citations only. Specify as, for example, US 07/999,999 | O |

| <311> | Patent Filing Date | Document filing date, for patent-type citations only; specify as yyyy-mm-dd | O |
| <312> | Publication Date | Document publication date, for patent-type citations only; specify as yyyy-mm-dd | O |
| <313> | Relevant Residues | FROM (position) TO (position) | O |
| <400> | Sequence | SEQ ID NO should follow the numeric identifier and should appear on the line pre-ceding the actual sequence | M |

5. Section 1.824 is revised to read as follows:

1.824 Form and format for nucleotide and/or amino acid sequence submissions in computer readable form.

(a) The computer readable form required by 1.821(e) shall meet the following specifications:

(1) The computer readable form shall contain a single "Sequence Listing" as either a diskette, series of diskettes, or other permissible media outlined in paragraph (c) of this section.

(2) The "Sequence Listing" in paragraph (a) (1) of this section shall be submitted in American Standard Code for Information Interchange (ASCII) text. No other formats shall be allowed.

(3) The computer readable form may be created by any means, such as word processors, nucleotide/amino acid sequence editors or other custom computer programs; however, it shall conform to all specifications detailed in this section.

(4) File compression is acceptable when using diskette media, so long as the compressed file is in a self-extracting format that will decompress on one of the systems described in paragraph (b) of this section.

(5) Page numbering shall not appear within the computer readable form version of the "Sequence Listing" file.

(6) All computer readable forms shall have a label permanently affixed thereto on which has been hand-printed or typed: the name of the applicant, the title of the invention, the date on which the data were recorded on the computer readable form, the operating system used, a reference number, and an application serial number and filing date, if known.

(b) Computer readable form submissions must meet these format requirements:

(1) Computer: IBM PC/XT/AT, or compatibles, or Apple Macintosh;

(2) Operating System: MS-DOS, Unix or Macintosh;